

# FLD on IPM on yellow stem borer in rice (Plant Protection)

Area= 2 ha, No. of Demo.= 8. Village- Hengbung & Mayangkhang Khunou

## Technology demonstrated

i. Early planting on June, ii. Balance and split application of Nitrogen fertilizer NPK@60:40:30kg/ha 30 kg N as basal 15 kg N at tillering and 15 kg at panicle initiation stage, iii. Use of pheromone trap @8 traps/ ha. iv. Release of trichogramma chilonis @70000 egg/ ha. twice from 30 DAT

## Demonstration Yield (Qt/Ha)

## Yield of local Check

## % increase in yield

## Percent pest incidence

H

L

A

q/ha)

%

Demo

Local

36.4

35.4

35.9

28.6

25.5

11.3%

25.8%



Preparation of pheromone trap



Release of Tricho card



Installation of pheromone trap

## Economics of demonstration (Rs./ha)

Gross Cost	Gross Return	Net Return	B:C Ratio
34640	57440	22800	1.66::1

## Economics of check (Rs./ha)

Gross Cost	Gross Return	Net Return	B:C Ratio
31680	49810	18130	1.57:1

# FLD on Organic management of shoot & fruit borer of tomato (Plant Protection)

Area= 2 ha, No. of Demo.= 12. Village- Mayangkhang , Rikhumei

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield	Percent pest incidence	
	H	L	A	q/ha)	%	Demo	Local
	i. Application of spinosads 45 (SC) 1 ml/ litre water ii. Pheromon trap @12/ha with lucy lure hormone at fruiting time.	261.4	258.5	259.9	194.2	33%	12.5%



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
87980	259900	171920	2.95:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
84100	194200	110100	2.3:1

# FLD on Popularisation of french bean var. Arka Anoop (Horticulture)

Area= 2 ha, No. of Demo.= 16. Village- Oklong, Karong

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
	<b>Var. Arka Anoop</b> Yield potential of 200 q/ha. Duration of 70-75 days Combined resistance to rust and bacterial blight			84.2	39.8
	142	138	140		



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
48700	140000	91300	2.87:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
38650	84200	45550	2.17:1

# FLD on Cultivation of okra by using organic source of nutrients (Horticulture)

Area= 2 ha, No. of Demo.= 16. Village- Wainem, Parengba

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
	Seed Treatment with AZB & PSB @ 7.5 g each for 100g seeds & application of rock phosphate @ 313 kg/ha , FYM@ 2.5t/ha & Vermicompost @ 1t/ha during final land preparation	60.1	59.8	59.95	58.20



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
45200	11990	74700	2.65:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
57500	116400	58900	2.0:1

# FLD on INM in cabbage (Horticulture)

Area= 2 ha, No. of Demo.= 16. Village- T. Khullen, Makuilongdi

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
	i.Seed bed treatment with trichoderma & Pseudomonas @ 25gm each/100 sq.m ii.Seedling treatment with azotobactor(1:10) with water iii.Rockphosphate @ 375 kg/ha + FYM @ 2.5 t/ha	177.2	174.5	175.8	160.9



## Economics of demonstration (Rs./ha)

Gross Cost	Gross Return	Net Return	B:C Ratio
68500	175800	107300	2.56:1

## Economics of check (Rs./ha)

Gross Cost	Gross Return	Net Return	B:C Ratio
72600	160900	88300	2.21:1

# FLD on Popularisation of seed production technology of blackgram var. PU 31 (PBG)

Area= 3 ha, No. of Demo.= 12. Village- T.Khullen, Sadu Koireng

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
	Var.PU 31 , Duration- 75-80 days, Yield potential 12.5 q/ha, <b>Seed rate-</b> 15kg/ha, <b>Seed treatment</b> with Rhizobium & PSB @ 250gm/10kg seed each, <b>NPK @20:40:20 kg/ha</b> , Isolation distance- 5m	7.86	7.32	7.75	5.8



Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio	Gross Cost	Gross Return	Net Return	B:C Ratio
33644	62000	28356	1.84:1	28400	45840	17440	1.61:1

# FLD on Popularisation of rice var. RC Maniphou 13 (PBG)

**Area= 3 ha, No. of Demo.= 12. Village- Makhn & Ningthoupham**

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
	Var. RC Maniphou 13, Duration 125-135 days, potential yield- 65-70q/ha, Seed rate @60 kg/ha, NPK @ 60:40:30 kg/ha,	40.4	38.6	39.5	30.3



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
37784	67150	29366	1.77:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
31560	51510	19950	1.63:1

# FLD on Popularisation of rapeseed var. TS 38 under rice fallow (PBG)

Area= 3 ha, No. of Demo.= 12. Village- Kalapahar, Sadu

Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase in yield
	H	L	A	q/ha)	%
	Var.TS 38, Duration- 90-95 days, Yield potential- 10-12q/ha Seed rate- 12 kg/ha, NPK @60:30:30 kg/ha	8.83	7.92	8.56	6.6



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
23512	42800	19288	1.82:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
21650	33000	11350	1.52:1



# FLD on Popularisation of Gramapriya rearing for meat and egg by farm women (Animal Sc.)

No. of Units.= 10, No. of demo= 10, Village- S. Phainom & G. Kholep

Technology demonstrated	Nos. of animals/poultry birds etc.	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
			Demo	Local	
Gramapriya breed	300 (30 birds/unit)	i. Av. Live b. wt. in Kg.	2.6kg (at 4-5 months)	1.21kg (at 4-5 months)	62%
		ii. Egg production	140 eggs/hen/yr	112 eggs/hen/yr	25%



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
16500	31700	15200	1.92:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
13250	19235	5985	1.45:1

# FLD on Popularisation of White pekin duck in the hills (Animal Sc.)

**No. of Units= 10, No. of demo= 10, Village- Maram & Aimol**

Technology demonstrated	Nos. of animals/poultry birds etc.	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
			Demo	Local	
White pekin breed	<b>300 (30 birds/unit)</b>	<b>i. Av. Live b. wt. in Kg. (4 months)</b>	<b>2.65kg</b>	<b>1.76 kg</b>	<b>50.5%</b>



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
19200	31306	12100	1.94:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
12250	18900	6650	1.54:1

# FLD on Rearing of Khaki Campbell for household food nutrition (Animal Sc.)

**No. of Units.= 10., No. of demo= 10, Village- T. Khullen & Makhan**

Technology demonstrated	Nos. of animals/poultry birds etc.	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
			Demo	Local	
Khaki Campbell	250 (25 birds/unit)	i. Av. Live b. wt. in Kg.	2.14 kg	1.76 kg	21.6%
		i. Egg production	176 eggs/ bird/yr	134eggs/ bird/yr	31%



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
19200	37805	18605	1.97:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
12250	18900	6650	1.54:1

# FLD on Popularisation of Paddy cum fish culture (Fisheries)

**No. of Units.= 10, No. of demo= 10, Village- Karong, Purul**

Technology demonstrated	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
		Demo	Local	
IFS (Fish species: Common carp Paddy var. local) <b>Fish Stocking density:</b> 5000 nos./ha of 7 cm in length <b>Perimeter canal:</b> Width : 1m, depth: 0.75 m	i. Fish Yield	200 kg/ unit area (0.1 ha)	168 kg/ unit area (0.1 ha)	35
	i. Paddy yield	15q/unit	12.5 q/ha	20%



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
70000	150000	80000	2.1:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
50000	100000	40000	1.6:1

# FLD on Popularization of Amur carp in composite fish culture system (Fisheries)

**No. of Units.= 10, No. of demo= 10, Village- Molhoi, Wainem**

Technology demonstrated	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
		Demo	Local	
Stocking density: Amur carp @4500 nos. /ha + 6000 nos. carp/ ha. Culture period: 7 months , Feeding @3 % body wt.	i. Fish Yield	247kg/unit (0.1 ha)	189kg/unit	30.7 %



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
28000	60000	32000	2.14:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
290000	48000	19000	1.65

# FLD on Popularization of Duck cum Fish culture (Fisheries)

**No. of Units.= 10., No. of demo= 10, Village- G. Kholep, T. Khullen**

Technology demonstrated	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% change
		Demo	Local	
Fish species : IMC Stoking density : 10000 nos (1000/unit) Duck var,- khaki campbell /white pekin @300 (30 birds/unit)	i. Fish Yield	231kg/unit	187 kg/unit	23.5%
	i.Duck yield	75kg/unit	-	-



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
52000	120000	68000	2.3:1

Economics of check (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
48000	89000	41000	1.85:1

## FLD on Yield assessment of rapeseed with bee keeping (Agricultural Extension)

**No. of respondents= 40, Village- Sadu Koireng, Kalapahar**

Technology	Performance parameters	Result on parameters
Yield assessment of rapeseed with bee keeping	i. Area covered	10 ha area covered
	ii. % increase in yield	12%

## FLD on Promotion of nutritional garden for household nutritional security (Home Science)

**No. of Units = 4, No. of demo= 4, Village- Taphou Phyamai**

Technology demonstrated	Performance parameters/ indicators	Results on parameters		% change
		Demo	Local	
<b>Nutrition garden</b> ( Cabbage, pea, coriander, carrot, Onion, cucumber, beans, Spinach, tomato, Amaranth, chilli)	Saving in household food budget	64%	23%	41% increased saving in food budget
	Vegetable diversity in food intake	8-9	3-4	



# FLD on Popularization of improved technology for processed pineapple product (Home Science)

No. of Units = 10, No. of demo= 10, Village- Motbung

Technology demonstrated	Performance parameters/ indicators	Results on parameters	Remarks
Preparation of pineapple candy, squash, brime, jam, jelly	Acceptibility	7(on hedonic scale)	Well accepted
	Shelf life	6 months	



# FLD on Popularization of Intercropping of MPTs with pulse crop (Agroforestry)

Area= 1 ha, No. of demo= 2, Village- New selsi

Technology demonstrated	Performance parameters/ indicators	Results on parameters			
		Tree bean	Citrus	Hollock	Blackgram
Tree bean as main crop at a spacing of 8mx8m, citrus species as filler crop and intercropping with blackgram	Tree height	2-2.5ft	1-1.5ft	2-2.5ft	-
	Crop yield	-	-	-	6.6q/h a





# FLD on Year round production of low cost enriched vermicompost (Farm Manager)

No. of Units.= 10., No. of demo= 10, Village- Mayangkhang, Makhan

Technology demonstrated	Performance parameters/ indicators	Results on parameters
Silpauline bag size ( 12 x 4 x 2.5 ) ft <sup>3</sup> ii. Enricher Azospirillum, PSB+ PMB@10 g each /q of raw material	Nos. of harvest	5 nos
	Yield/Yr	1200kg/yr



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
6000	18000	12000	3:1

# FLD on Year round Scientific oyster mushroom production technology (Plant Protection)

No. of Units.= 4, No. of demo= 8, Village- Karong, Wainem, Mayangkhang

Technology demonstrated	Performance parameters/ indicators	Results on parameters
Oyster mushroom <i>P. flaveletus</i> , <i>P. ellum</i> , <i>P. PUK</i>	Yield/ unit (50 bags capacity unit)	70 kgs



Economics of demonstration (Rs./ha)			
Gross Cost	Gross Return	Net Return	B:C Ratio
12000	39200	27200	3.26:1